

### REMARKS

Claims 12, 13 and 18 have been objected to due to informalities. The claims have been amended accordingly.

Claims 10-11 have been rejected under 35 USC 103(a) as unpatentable over Lee in view of Shaw.<sup>1</sup> The rejection is respectfully traversed.

Lee discloses, in Fig. 5 and col. 3, lines 61, 62, a byte swapping device 530 between a storage device 520 and a processor 510. The byte swapping device 530 selectively byte swaps data transferred between the processor 510 and the storage device 520. The processor 510 provides address signals to the byte swapping device 530. The claimed invention, on the other hand, discloses a hardware architecture for a core of a processor and an associated method comprising a unit for executing a logical operation and an object-oriented data conversion unit. Data conversion as disclosed, for example, in claims 10 and 17 is patentably distinct from byte swapping since “swap” means to exchange whereas “convert” means to change from one form or function to another by some kind of processing. Additionally, the claimed invention discloses that a “type of an object” and “object address” are recognized for “external data”. Claims 10 and 17 disclose that “the data conversion unit matches the type of an object and the object address”. Lee simply fails to disclose these features.

Shaw is cited by the Examiner as disclosing that the architecture is object-oriented (which is not disclosed in Lee). However, Shaw fails to disclose a unit for executing a logical operation, a data conversion unit and data matching. Hence, even a combination of Lee and Shaw fails to disclose the recited structure and method.

In view of the above, each of the presently pending claims in this application is believed to be in immediate condition for allowance. Accordingly, the Examiner is respectfully requested to withdraw the outstanding rejection of the claims and to pass this application to issue. If it is

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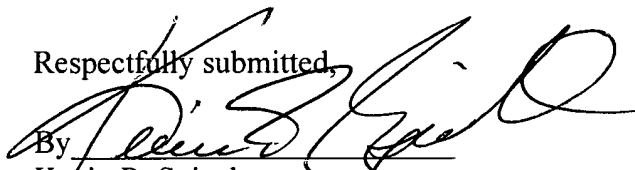
<sup>1</sup> Applicant's proceed with the assumption that the Examiner intended to rejection claims 10-20 since all claims are rejected in the Office Action.

determined that a telephone conference would expedite the prosecution of this application, the Examiner is invited to telephone the undersigned at the number given below.

In the event the U.S. Patent and Trademark office determines that an extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit Account No. 03-1952 referencing docket no. 449122031600. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

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Respectfully submitted,



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